CLAIMS

1.   A telecommunications service session control system comprising at
least one server and in use interacting with software objects derived from an
5 application programming interface, said application programming interface
comprising:

a first framework object class for deriving service specific object classes
to be instantiated on a client machine during participation in a service session;

a second framework object class for deriving service specific object
10 classes to be instantiated on a server during a service session, said second class
representing said service session; and

a third framework object class for deriving service specific object classes
to be instantiated on a server during participation in a service session, said third
class representing said participation.

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2.   A data store holding an application programming interface for use in
developing multi-party services to be implemented on a telecommunications
service session control system, said application programming interface comprising:

a first framework object class for deriving service specific object classes
20 to be instantiated on a client machine during participation in a service session;

a second framework object class for deriving service specific object
classes to be instantiated on a server during a service session, said second class
representing said service session; and

a third framework object class for deriving service specific object classes to be instantiated on a server during participation in a service session, said third class representing said participation.

5   3.   A system or a data store according to claim 1 ~~or 2,~~ said second class comprising methods intended to be overridden in said service specific object classes, said methods being for receiving calls from said system indicating changes in participant status during a service session.

10   4.   A system or a data store according to claim 1, ~~2 or 3,~~ said third class comprising methods intended to be overridden in said service specific object classes, said methods being responsive to messages from said system indicating changes in participant status during a service session.

15   5.   A system or a data store according to _claim 1_ ~~any of claims 1 to 4,~~ wherein said second class comprises a method for identifying characteristics of a plurality of service specific objects derived from said third class and instantiated during a service session.

20   6.   A system or a data store according to _claim 1_ ~~any of claims 1 to 5,~~ wherein said third class comprises a method for identifying characteristics of a plurality of service specific objects derived from said third class and instantiated during a service session.

7.   A server comprising a data store according to ~~any of claims 1 to 6,~~ *claims 1* the server being arranged to transmit the application programming interface on request.

5   8.   A service development system for generating service specific application parts to be implemented in a distributed manner in a telecommunications service session control system, said system comprising:

a service component constructor:

for storing data defining a plurality of framework components to be

10   distributed between a client station and a server, and a plurality of customisation components for customising said framework components in a service-specific manner;

for generating data defining a first user interface for representing said framework components and said customisation components as icons

15   on a visual display means; and

for defining relationships between said framework components and said customisation components to generate customised components by operations on said first user interface;

a control system simulator for simulating the interfaces and functionality

20   provided by said telecommunications service session control system; and

a service tester:

for generating interactions between said control system simulator and said customised components; and

for generating data defining a second user interface for representing

25   participation in a service session via said telecommunications service

session control system, on a visual display means, in response to said interactions.

9.   A system according to claim 8, wherein said data defining a second user interface represents a plurality of participations in said service session.

10.   A system according to claim 9, wherein said service tester is responsive to user input to specify the number of said participations.

11.   A system according to claim 9 ~~or 10,~~ wherein said service tester is responsive to user input to specify the state of participation of a participant in said service session.